



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:**

LARRY J. BUCHANAN ET AL.

Serial No.: 10/727,454

Filed: September 17, 2003

Title: **“METHOD OF OPTIMIZING  
PRODUCTION OF GAS FROM  
SUBTERRANEAN FORMATIONS”**

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Group Art Unit: 3676

Examiner: **BRYAN A. FULLER**

Atty. Docket No: **HES 2003-IP-010346U1**

**CERTIFICATE OF MAILING VIA EXPRESS MAIL**

PURSUANT TO 37 C.F.R. § 1.10, I HEREBY CERTIFY THAT I HAVE INFORMATION AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE WILL BE DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE, ON THE DATE BELOW, AND IS ADDRESSED TO:

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ALEXANDRIA, VA 22313-1450  
Tammy Knight  
October 5, 2005

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**MAIL STOP AMENDMENT**  
Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE UNDER 37 C.F.R. §1.111 TO  
NON-FINAL OFFICE ACTION, MAILED July 14, 2005**

Dear Sir:

In response to the Non-Final Office Action mailed July 14, 2005, Applicants respectfully submit the following remarks and amendments set forth below and request favorable action thereon.

As the three-month shortened statutory period for reply is due October 14, 2005, this Response is therefore considered timely filed.